

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/563,540
Source: IFW
Date Processed by STIC: 5-15-06

ENTERED



IFWO

RAW SEQUENCE LISTING

DATE: 05/15/2006

PATENT APPLICATION: US/10/563,540

TIME: 15:18:08

Input Set : A:\tcya117.007apc.txt

Output Set: N:\CRF4\05152006\J563540.raw

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3 <110> APPLICANT: Nakayama, Jun
4   Ishizone, Satoshi
6 <120> TITLE OF INVENTION: Method for detecting cancer
8 <130> FILE REFERENCE: TOYA117.007APC
10 <140> CURRENT APPLICATION NUMBER: 10/563,540
11 <141> CURRENT FILING DATE: 2005-12-22
13 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/009126
14 <151> PRIOR FILING DATE: 2004-06-28
16 <150> PRIOR APPLICATION NUMBER: JP 2003-185696
W--> 17 <151> PRIOR FILING DATE: 2003-6-27
19 <160> NUMBER OF SEQ ID NOS: 5
21 <170> SOFTWARE: PatentIn version 3.1
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 1292
25 <212> TYPE: DNA
26 <213> ORGANISM: Homo sapiens
28 <220> FEATURE:
29 <221> NAME/KEY: CDS
30 <222> LOCATION: (181)..(1200)
31 <223> OTHER INFORMATION:
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34 gttaactgca tttgcagcta gaagttaggc tctgattcac tgttttgtat tttctaaaag      60
35 ggttatatgt aatttgaaag atagacctgc caagacgtga gatctgtggt ctccttggtt      120
36 agagctaaca tttttggtga ggaaagcact gcaggagcag gctggcacag agaagaggac      180
37 atg cgg aag gag ctc cag ctc tcc ctg tca gtc acc ttg ctg ctt gtc      228
38 Met Arg Lys Glu Leu Gln Leu Ser Leu Ser Val Thr Leu Leu Leu Val
39 1          5          10          15
40 tgt ggc ttc ctc tac cag ttc acc ctg aag tcc agc tgc ctc ttc tgt      276
41 Cys Gly Phe Leu Tyr Gln Phe Thr Leu Lys Ser Ser Cys Leu Phe Cys
42          20          25          30
43 ttg cct tct ttc aag tcc cac cag ggg ctg gaa gcc ctc ctg agc cac      324
44 Leu Pro Ser Phe Lys Ser His Gln Gly Leu Glu Ala Leu Leu Ser His
45          35          40          45
46 aga cgt ggc att gtg ttt cta gag acc tca gag aga atg gag cca ccc      372
47 Arg Arg Gly Ile Val Phe Leu Glu Thr Ser Glu Arg Met Glu Pro Pro
48          50          55          60
49 cat ttg gtc tcc tgt tcc gta gag tct gct gcc aag att tat cct gag      420
50 His Leu Val Ser Cys Ser Val Glu Ser Ala Ala Lys Ile Tyr Pro Glu
51 65          70          75          80
52 tgg cct gtg gtg ttc ttt atg aag ggt ctt act gat tcc aca ccg atg      468
53 Trp Pro Val Val Phe Phe Met Lys Gly Leu Thr Asp Ser Thr Pro Met
54          85          90          95
55 ccc tca aac tcc aca tac cca gct ttt tcc ttc ctg tca gca ata gac      516

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56 Pro Ser Asn Ser Thr Tyr Pro Ala Phe Ser Phe Leu Ser Ala Ile Asp
57          100          105          110
58 aac gtt ttc ctc ttc cct ttg gat atg aaa agg ctg ctt gaa gac aca      564
59 Asn Val Phe Leu Phe Pro Leu Asp Met Lys Arg Leu Leu Glu Asp Thr
60          115          120          125
61 cca ttg ttt tca tgg tac aat caa atc aac gcc agc gca gag aga aac      612
62 Pro Leu Phe Ser Trp Tyr Asn Gln Ile Asn Ala Ser Ala Glu Arg Asn
63          130          135          140
64 tgg ctc cac atc agc tcg gat gca tcc cgc ctg gcc atc atc tgg aaa      660
65 Trp Leu His Ile Ser Ser Asp Ala Ser Arg Leu Ala Ile Ile Trp Lys
66 145          150          155          160
67 tac ggt ggc atc tac atg gac acc gat gtc atc tcc atc agg ccc atc      708
68 Tyr Gly Gly Ile Tyr Met Asp Thr Asp Val Ile Ser Ile Arg Pro Ile
69          165          170          175
70 cct gag gag aac ttt ttg gct gcg cag gct tct cgg tac tct agt aat      756
71 Pro Glu Glu Asn Phe Leu Ala Ala Gln Ala Ser Arg Tyr Ser Ser Asn
72          180          185          190
73 gga ata ttt ggg ttc ctc ccc cac cac ccc ttt ttg tgg gaa tgc atg      804
74 Gly Ile Phe Gly Phe Leu Pro His His Pro Phe Leu Trp Glu Cys Met
75          195          200          205
76 gaa aac ttt gtt gaa cac tat aat tca gcc att tgg ggc aac caa ggc      852
77 Glu Asn Phe Val Glu His Tyr Asn Ser Ala Ile Trp Gly Asn Gln Gly
78          210          215          220
79 cct gag ttg atg aca agg atg ttg agg gta tgg tgt aaa ctt gaa gac      900
80 Pro Glu Leu Met Thr Arg Met Leu Arg Val Trp Cys Lys Leu Glu Asp
81 225          230          235          240
82 ttc cag gag gtg agc gac ctc agg tgt ctg aac ata tcc ttc tta cac      948
83 Phe Gln Glu Val Ser Asp Leu Arg Cys Leu Asn Ile Ser Phe Leu His
84          245          250          255
85 ccc caa aga ttt tac ccc atc tcc tat cga gag tgg agg cgc tac tat      996
86 Pro Gln Arg Phe Tyr Pro Ile Ser Tyr Arg Glu Trp Arg Arg Tyr Tyr
87          260          265          270
88 gaa gtg tgg gat aca gag cca agc ttc aat gtc tct tat gcc ctg cat      1044
89 Glu Val Trp Asp Thr Glu Pro Ser Phe Asn Val Ser Tyr Ala Leu His
90          275          280          285
91 ttg tgg aac cac atg aac cag gag ggg cgg gct gtg att aga gga agc      1092
92 Leu Trp Asn His Met Asn Gln Glu Gly Arg Ala Val Ile Arg Gly Ser
93          290          295          300
94 aac aca ctg gtg gaa aat ctc tat cgc aag cac tgt ccc agg act tac      1140
95 Asn Thr Leu Val Glu Asn Leu Tyr Arg Lys His Cys Pro Arg Thr Tyr
96 305          310          315          320
97 agg gac ctg att aaa ggc cca gag ggg tca gtg act ggg gag ctg ggt      1188
98 Arg Asp Leu Ile Lys Gly Pro Glu Gly Ser Val Thr Gly Glu Leu Gly
99          325          330          335
100 cca ggt aac aaa taaagctaac actcgtttgc tgctgctgca gtgtggaaat      1240
101 Pro Gly Asn Lys
102          340
103 ggaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa      1292
106 <210> SEQ ID NO: 2

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Input Set : A:\toyall17.007apc.txt

Output Set: N:\CRF4\05152006\J563540.raw

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107 <211> LENGTH: 340
108 <212> TYPE: PRT
109 <213> ORGANISM: Homo sapiens
111 <400> SEQUENCE: 2
113 Met Arg Lys Glu Leu Gln Leu Ser Leu Ser Val Thr Leu Leu Leu Val
114 1 5 10 15
115 Cys Gly Phe Leu Tyr Gln Phe Thr Leu Lys Ser Ser Cys Leu Phe Cys
116 20 25 30
117 Leu Pro Ser Phe Lys Ser His Gln Gly Leu Glu Ala Leu Leu Ser His
118 35 40 45
119 Arg Arg Gly Ile Val Phe Leu Glu Thr Ser Glu Arg Met Glu Pro Pro
120 50 55 60
121 His Leu Val Ser Cys Ser Val Glu Ser Ala Ala Lys Ile Tyr Pro Glu
122 65 70 75 80
123 Trp Pro Val Val Phe Phe Met Lys Gly Leu Thr Asp Ser Thr Pro Met
124 85 90 95
125 Pro Ser Asn Ser Thr Tyr Pro Ala Phe Ser Phe Leu Ser Ala Ile Asp
126 100 105 110
127 Asn Val Phe Leu Phe Pro Leu Asp Met Lys Arg Leu Leu Glu Asp Thr
128 115 120 125
129 Pro Leu Phe Ser Trp Tyr Asn Gln Ile Asn Ala Ser Ala Glu Arg Asn
130 130 135 140
131 Trp Leu His Ile Ser Ser Asp Ala Ser Arg Leu Ala Ile Ile Trp Lys
132 145 150 155 160
133 Tyr Gly Gly Ile Tyr Met Asp Thr Asp Val Ile Ser Ile Arg Pro Ile
134 165 170 175
135 Pro Glu Glu Asn Phe Leu Ala Ala Gln Ala Ser Arg Tyr Ser Ser Asn
136 180 185 190
137 Gly Ile Phe Gly Phe Leu Pro His Pro Phe Leu Trp Glu Cys Met
138 195 200 205
139 Glu Asn Phe Val Glu His Tyr Asn Ser Ala Ile Trp Gly Asn Gln Gly
140 210 215 220
141 Pro Glu Leu Met Thr Arg Met Leu Arg Val Trp Cys Lys Leu Glu Asp
142 225 230 235 240
143 Phe Gln Glu Val Ser Asp Leu Arg Cys Leu Asn Ile Ser Phe Leu His
144 245 250 255
145 Pro Gln Arg Phe Tyr Pro Ile Ser Tyr Arg Glu Trp Arg Arg Tyr Tyr
146 260 265 270
147 Glu Val Trp Asp Thr Glu Pro Ser Phe Asn Val Ser Tyr Ala Leu His
148 275 280 285
149 Leu Trp Asn His Met Asn Gln Glu Gly Arg Ala Val Ile Arg Gly Ser
150 290 295 300
151 Asn Thr Leu Val Glu Asn Leu Tyr Arg Lys His Cys Pro Arg Thr Tyr
152 305 310 315 320
153 Arg Asp Leu Ile Lys Gly Pro Glu Gly Ser Val Thr Gly Glu Leu Gly
154 325 330 335
155 Pro Gly Asn Lys
156 340
157 <210> SEQ ID NO: 3

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RAW SEQUENCE LISTING

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Input Set : A:\toyal17.007apc.txt

Output Set: N:\CRF4\05152006\J563540.raw

158 <211> LENGTH: 25
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial
162 <220> FEATURE:
163 <223> OTHER INFORMATION: 5' primer for RT-PCR
165 <400> SEQUENCE: 3
166 gttttcctct tccctttgga tatga 25
168 <210> SEQ ID NO: 4
169 <211> LENGTH: 22
170 <212> TYPE: DNA
171 <213> ORGANISM: Artificial
173 <220> FEATURE:
174 <223> OTHER INFORMATION: 3' primer for RT-PCR
176 <400> SEQUENCE: 4
177 agctgatgtg gagccagttt ct 22
179 <210> SEQ ID NO: 5
180 <211> LENGTH: 26
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial
184 <220> FEATURE:
185 <223> OTHER INFORMATION: Probe for Quantative-PCR
187 <400> SEQUENCE: 5
188 tgggtacaatc aaatcaacgc cagcgc 26

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/563,540

DATE: 05/15/2006
TIME: 15:18:09

Input Set : A:\toyal17.007apc.txt
Output Set: N:\CRF4\05152006\J563540.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,4,5

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/563,540

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Input Set : A:\toyall17.007apc.txt

Output Set: N:\CRF4\05152006\J563540.raw

L:17 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD

L:33 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:31